

# NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES

## NON-HAZARDOUS OIL CONTAMINATED SOIL CERTIFICATION

NH Admin. Rules Env-Wm 1608.03

Soils which are contaminated with oil as defined in RSA 146-A:2,III, shall be characterized to determine whether the soils can be certified as Non-hazardous Oil Contaminated Soil (NOCS) and managed in accordance with Env-Wm 1600, or must be managed as a hazardous waste in accordance with Env-Wm 100-1100.

To obtain NOCS certification the following steps must be completed. The site owner or other responsible party must complete a summary of site ownership and history of use at the site. The site owner's environmental consultant or environmental contractor shall then observe the site and the contaminated soils, and review the site history. If the contaminated soils are derived from an oil discharge from a household or from underground storage facilities regulated under RSA 146-C, and site history reveals no known activity during the past 30 years which might have caused the soil to become contaminated with a hazardous waste, the responsible party's environmental consultant or environmental contractor may certify the soil as NOCS.

If contaminated soils are **not** generated from households or UST facilities, or the site history shows activity during the past 30 years, that might have caused the soils to become contaminated with hazardous waste, the soils may still be certified as NOCS provided that a minimum of one composite sample collected from the most contaminated area is analyzed in accordance with Table 1 for the toxicity characteristics, **that may be present as indicated by the site history** and the concentrations of contaminants meet the acceptable limits in Table 1. If the concentrations exceed the acceptable limits in Table 1, the soils shall not be certified as NOCS, and must be managed as hazardous waste in accordance with Env-Wm 100-1100.

For certified NOCS destined for off-site disposal, composite samples shall be collected in accordance with Env-Wm 1608.04 and analyzed for ignitability, volatile organics, and total petroleum hydrocarbons to further characterize the soils prior to transportation off-site. If the quantity of NOCS is less than 50 tons, sampling and analysis shall not be required except as required by the receiving facility. Soils, which fail the ignitability test may not be transported as NOCS and must be managed as hazardous waste in accordance with Env-Wm 100-1100.

Certified NOCS that is transported off-site shall be accompanied by a bill of lading, the completed NOCS certification form and if greater than 50 tons, the required analytical results. The site owner and the treatment facility shall each keep a copy of the completed NOCS certification form and the analytical results. In addition, the site owner shall forward a copy of same to the DES immediately after the form is signed and the analytical results are available.

**TABLE 1**  
**Toxicity Characteristics Testing Requirements**  
**for**  
**Oil Contaminated Soils destined for Off-site Disposal**  
 NH Admin. Rules Env-Wm 1608.03

Parameters and testing methods	Acceptable Limits (mg/L)
<b>VOC's (Methods 1311 and 8260B)</b>	
Benzene	0.5
Carbon tetrachloride	0.5
Chlorobenzene	100.0
Chloroform	6.0
1,4-Dichlorobenzene	7.5
1,2-Dichloroethane	0.5
1,1-Dichloroethylene	0.7
Methyl ethyl ketone	200.0
Tetrachloroethylene	0.7
Trichloroethylene	0.5
Vinyl chloride	0.2
<b>SVOC's (Methods 1311 and 8270C)</b>	
o-Cresol (2-Methylphenol)	200.0
m-Cresol (3-Methylphenol)	200.0
p-Cresol (4-Methylphenol)	200.0
2,4-Dinitrotoluene	0.13
Hexachlorobenzene	0.13
Hexachlorobutadiene	0.5
Hexachloroethane	3.0
Nitrobenzene	2.0
Pentachlorophenol	100.0
Pyridine	5.0
2,4,5-Trichlorophenol	400.0
2,4,6-Trichlorophenol	2.0
<b>CHLORINATED PESTICIDES (Methods 1311 and 8081)</b>	
Chlordane	0.03
Endrin	0.02
Heptachlor (and its epoxide)	0.008
Lindane	0.4
Methoxychlor	10.0
Toxaphene	0.5
<b>CHLORINATED HERBICIDES (Methods 1311 and 8151A)</b>	
2,4-D	10.0
2,4,5-TP (Silvex)	1.0
<b>METALS (Methods 1311 and 6010, 7470/7471 for Mercury)</b>	
Arsenic	5.0
Barium	100.0
Cadmium	1.0
Chromium	5.0
Lead	5.0
Mercury	0.2
Selenium	1.0
Silver	5.0
<b>ADDITIONAL TESTING</b>	
Total Petroleum Hydrocarbons (Method 8015B DRO or GRO)	Receiving facility limit
PCB's (Method 8080)	<2.0 ppm
Ignitability	See Env-Wm 403.03
Corrosivity	See Env-Wm 403.04
Reactive Sulfide, Cyanide	See Env-Wm 403.05

**NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES**  
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**Site Information**

DES Site Number: \_\_\_\_\_ Site Name: \_\_\_\_\_

Address: \_\_\_\_\_

Town: \_\_\_\_\_

**Transport Information**

Estimated Volume/Weight: \_\_\_\_\_ (Cubic yards/tons)

Transporter Name and Address: \_\_\_\_\_

Receiving Facility Name and Address: \_\_\_\_\_

**Site Owner/Responsible Party Certification**

Owner's Name/Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

Contact Person's Title: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

I certify that to the best of my knowledge the information on the activities and operations conducted at this location for the past 30 years, as summarized on the reverse of this certification form is accurate.

\_\_\_\_\_  
(Owner/Responsible Party Signature)

\_\_\_\_\_  
(date)

**Consultant/Contractor Certification**

Company Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

I have observed the contaminated soils to be transported from the site as described above and I have observed the location from which the soils were excavated. I have reviewed the site history summarized on the reverse side of this certification form and I have reviewed all soil analyses required under Env-Wm 1608. Based on this information, I have concluded that, the soils to be transported from this site meet the criteria for certification as Non-Hazardous Oil Contaminated Soils (NOCS) pursuant to the provisions of Env-Wm 1600. Accordingly I hereby certify the soils to be NOCS.

\_\_\_\_\_  
(Consultant/Contractor Signature)

\_\_\_\_\_  
(date)

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**30 YEAR SITE HISTORY**

**Site Information**

DES Site Number: \_\_\_\_\_ Site Name: \_\_\_\_\_

Address: \_\_\_\_\_ Town: \_\_\_\_\_

Dates From To	Owner Name	Business Name	Type of Use (see below)	Source of Information (do not leave blank)

Type of Use:

- 1-Fuel Dispensing Only
- 2-Fuel & Auto Repair
- 3-General Repair and Maintenance
- 4-Electronics Manufacturing
- 5-Metal Working

- 6-Scrap yard
- 7-Residential
- 8-School
- 9-Other (Specify)